FIG. 1

Sequence	a	b	a	c	d	b	b	e	a	c	d
Allocation	a=>0	b=>1		c=>2	d=>3			e=>0	a=>2	c=>3	d=>1
0	1	2	2	3	1	0	0	2	3	1	0
1	2	3	3	1	0	2	2	3	1	0	2
2	3	0	1	0	2	3	3	1	0	2	3
3	0	1	0	2	3	1	1	0	2	3	1
Replaced	w==>	x==>		y==>	z==>			a==>	c==>	d==>	b==>

PRIOR ART

Fig. 2

Sequence	a	b	a	c	d	b	RICL(b)	e	a	c	d
Allocation	a==>0	b==>1		c==>2	d==>3			e==>1			
0	1	2	2	3	1	0	1	0	2	3	1
1	2	3	3	1	0	2	0	2	3	1	0
2	3	0	1	0	2	3	2	3	1	0	2
3	0	1	0	2	3	1	3	1	0	2	3
Replaced	w==>	x==>	y==>	z==>				b==>			

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Fig. 3